



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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सं० 36] नई दिल्ली, शनिवार, सितम्बर 9, 1978 ( भाद्रपद 18, 1900 )  
No. 36] NEW DELHI, SATURDAY, SEPTEMBER 9, 1978 (BHADRA 18, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 9th September 1978

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE

The dates shown in crescent brackets are the dates claimed  
under Section 135 of the Act.

3rd August 1978

839/Cal/78. Kartronics. Intrinsically safe communication  
equipment.

840/Cal/78. Kartronics. An exploder.

841/Cal/78. Messer Griesheim GMBH. Torch.

842/Cal/78. Messer Griesheim GMBH. Arc torch with torch  
switch arranged in the handle.

843/Cal/78. Messer Griesheim GMBH. Electrical tracing  
control system.

844/Cal/78. Messer Griesheim GMBH. Cutting machine, in  
particular flame cutting machine.

845/Cal/78. Messer Griesheim GMBH. Cutting machine, in  
particular flame cutting machine.

846/Cal/78. Messer Griesheim GMBH. Control system for  
machine tools.

847/Cal/78. Messer Griesheim GMBH. Oxy-fuel welding  
and/or cutting torch.

848/Cal/78. Environmental Elements Corporation. Variable  
volume control assembly.

849/Cal/78. Westinghouse Electric Corporation. High energy,  
short duration pulse system.

850/Cal/78. Sri Salil Kumar Banerjee. Ecomy rice cooker.

4th August 1978

851/Cal/78. Finommechanikai Vallalat. Circuit arrangement  
for a very highly stabilized oscillator.

852/Cal/78. American Cyanamid Company. Process for  
preparing 2,6-dinitroaniline herbicides. [Divisional  
date December 8, 1976].

853/Cal/78. Societe DE Paris ET DU Rhone. Unidirectional  
drive device.

854/Cal/78. Societe DE Paris ET DU Rhone. Lever for  
controlling the actuator of an electrical starter  
for internal combustion engines.

855/Cal/78. Royal Tool Company, Inc. Drilling stabilizer in-  
cluding mechanical interlock and disengagement  
device.

5th August 1978

856/Cal/78. S. K. Khandekar. Improvements in or relating  
to regulators for gas cylinders.

857/Cal/78. S. K. Khandekar. Improvements in or relating  
to valves for gas cylinders.

858/Cal/78. S. K. Khandekar. A driving mechanism for a  
pedal operated cycle rickshaw.

859/Cal/78. Milan Kanti Das. Solid-state automatic starter  
stopper.

860/Cal/78. Jatindra Nath Biswas. A mechanism for tapping  
energy from waves.

861/Cal/78. Johns-Manville Corporation. Bell end of a bell  
and spigot joint and method of making the same.

862/Cal/78. Brennstoffinstitut Freiberg. System for the introduction of additional quantity of gases in pneumatic conveying systems.

7th August 1978

863/Cal/78. International Standard Electric Corporation. Arrangement for making continuity tests in telecommunication systems.

864/Cal/78. Nitto Boseki Co. Ltd. Molten glass separating device in glass fiber forming apparatus.

865/Cal/78. Yamada Machinery Industrial Co. Ltd. A portable power reaper.

866/Cal/78. Burroughs Corporation. A video synthesizer for a digital video display gray-scale levels.  
8th August 1978

867/Cal/78. Moteurs Leroy-Somer. Diffuser for hydro-electrical power plant and hydro-electrical power plant fitted with this diffuser.

868/Cal/78. Brennstoffinstitut Freiberg. A silo arrangement for transferring dust forming substances into a system of higher pressure.

869/Cal/78. Kraftwerk Union Aktiengesellschaft. Steam generator.

9th August 1978

870/Cal/78. W. J. Werdling. Spray nozzle and devices containing the same.

871/Cal/78. E. I. Du Pont De Nemours and Company. Inorganic grouting systems for use in anchoring a bolt in a hole.

872/Cal/78. Hoechst Aktiengesellschaft. Novel disperse azo dyestuffs, process for their preparation and their use for the dyeing or printing of synthetic fiber materials.

873/Cal/78. Dynamit Nobel Aktiengesellschaft. Process for the production of dihalogen vinylcyclopropane carboxylic acid esters.

874/Cal/78. Veb Filmfabrik Wolfen. Improvements in and relating to photographic materials. (May 17, 1978).

875/Cal/78. F. T. Dobson. Improvements in ticket dispenser power units.

876/Cal/78. Finommechanikai Vallalat. Circuit arrangement for the lossless stabilisation of a direct voltage, particularly for electronic devices of any power.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 123.

145185.

Int. Cl.-C05d 9/00, C05g 3/04.

METHOD FOR THE MANUFACTURE OF SOIL MODIFIERS FROM WASTE MATERIALS OF THE MANUFACTURE OF TITANIUM DIOXIDE.

*Applicant*: SOCIETA ITALIANA RESINE S.R. S.P.A., OF 33, VIA GRASIOLE, MILAN, ITALY.

*Inventors*: LUIGI PICCOLO, GABRIELE BOTTAL, ANTONIO PAOLINELLI AND ANGELO LA ROVERE.

Application No. 1109/Cal/76 filed June 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A process for preparing a compact soil modifier comprising from 80 to 95% by weight of a mixture of ferric oxide and ferric sulphate in an oxide/sulphate weight ratio of from 0.2 : 1 to 2 : 1, characterized in that the waste material, consisting essentially of ferrous sulphate heptahydrate obtained in the manufacture of titanium dioxide from ilmenites or ilmenite slags by the sulphate process, is dehydrated in a known manner and thereby partially removing the water of crystallization to obtain a product consisting essentially of hydrated ferrous sulphate with an average number of molecules of water of crystallization from 1 to 5, calcining the said product at a temperature of from 500° to 600°C, in the presence of an oxidizing gas for a period such as to convert from 80 to 95% by weight of said hydrated sulphate into ferric oxide and ferric sulphate.

CLASS 143D.

145186.

Int. Cl.-B65b 11/00.

COMPRESSION PACKAGING METHOD AND APPARATUS.

*Applicant*: GOULD INC., OF 10 GOULD CENTER, ROLLING MEADOWS, ILLINOIS 60008, UNITED STATES OF AMERICA.

*Inventor*: JOHN LOUIS GRASSON.

Application No. 2082/Cal/76 filed November 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A method of nesting a plurality of individual pieces in a base member for packaging said pieces for shipping and storage, said method comprising the steps of:

(a) providing a base member constructed from a permanently deformable material with said member having opposed and spaced apart top and bottom faces;

(b) placing said pieces on said base member top face in a desired oriented position relative to each other so that at least a portion of each piece engages said top face; and,

(c) applying a force against said pieces in a manner to move said pieces at least partially through said base member toward said bottom face whereby at least said portion of each piece causes a permanent recessed nesting area to be formed in said base member thereby packaging said pieces in the base material.

CLASS 135 & 160D.

145187.

Int. Cl.-B27c 3/00.

IMPROVEMENTS IN OR RELATING TO ANIMAL-DRAWN CART.

*Applicant & Inventor* : CHEERAM PARAMBIL MUHAMMED (SALIM MANZIL, P.O.L KAVUKKOD, (VIA) CHALISSERI, KERALA STATE, INDIA.

Application No. 59/Mas/76 filed March 29, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

### 3 Claims

An animal-drawn cart comprising an air compressor-cum-compressed air engine device, a valve mechanism and an air reservoir, means to connect and disconnect the crank shaft of said device and the wheels of the cart a suspended weight having a central depression or concavity, to which one end of a slidable rod engages and whose other end connected to a slidable gear mounted on the cart axle, which is moved to engage a gear connected to the crank shaft of said device, whenever the cart moves up or down a gradient and the gears are dis-engaged when the cart moves over a level ground, the arrangement being such that the energy released by the cart when it moves down a gradient is made use by said device which operates as an air compressor and the air thus compressed is stored in said reservoir, the energy of this compressed air being made use of to aid the animals when the cart is pulled up a gradient, by operating said device by the compressed air as a compressed air engine and thereby transmitting the power thus developed to the wheels of the cart.

CLASS 14B.

145188.

Int. Cl. H01m 21/06.

### IMPROVEMENTS IN OR RELATING TO ALKALINE ZINC-AIR DRY CELLS.

*Applicant & Inventor* : MEGHARAJ NAGENDRA KATHARE AND RAJARAM NAGENDRA KATHARE, CARBON INDUSTRIES PRIVATE LIMITED, THIRUVOTTIYUR HIGH ROAD, MADRAS-81, TAMILNADU, INDIA.

Application No. 188/Mas/76 filed September 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

### 4 Claims

An alkaline zinc-air dry cell comprising a container with a hollow zinc anode moulded in the shape of the said container and fitted therein, hollow porous carbon cathodes positioned inside the said anode and an alkaline electrolyte composition in gel form, the said composition being prepared by the addition of 0.1 to 1.0% by weight of any of the oxides of aluminum and/or antimony, sulphides or phosphates of calcium, lithium, barium, strontium, potassium or a combination thereof and 1 to 5% by weight of a known jellying agent to the alkali.

CLASS 126A.

145189.

Int. Cl.-G01d 21/00.

### DISTANCE RELAY TESTING KIT.

*Applicant* : TAMIL NADU ELECTRICITY BOARD, AN UNDERTAKING OF TAMILNADU GOVT., 157 ANNA SALAI, MADRAS-600002, TAMIL NADU, INDIA.

*Inventor* : TATHAMANGALAM VISWANATHAN SUBRAMANIAN.

Application No. 99/Mas/77 filed June 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

### 4 Claims

A distance Relay Testing Kit including a phase angle variation unit comprising of two switches for providing gross 120° phase angle variation and a single phase variac connected to the said switches for setting the phase angle inter-

mediate between 0° to 120°, 120° to 240° and 240° to 360°, a voltage variation unit comprising of a ganged two phase variac, a current variation unit comprising of a rheostat connected to the single phase variac and two selector switches interconnected to the above units for simulation of various phase and phase to ground faults.

CLASS 89.

145190.

Int. Cl.-G01n 11/00.

### A VISCOMETER ASSEMBLY.

*Applicant* : HINDUSTAN ANTIBIOTICS LTD., OF PIMPRI, POONA-411018, MAHARASHTRA, INDIA.

*Inventor* : DR. RAGHUNATH SADASHIV PHADKE.

Application No. 210/Bom/75 filed August 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

### 3 Claims

A viscometer assembly comprising a synchroelectric viscometer of the kind described, a vessel which is made of non-corrosive heat conducting material and is at least 2 3/4" in diameter and 6" deep, a detachable lid having a central opening for the vessel and a thermostat such that the vessel is immersed in the thermostat, the lid is mounted on the vessel and the spindle(s) and the spindle guard(s) of the synchroelectric viscometer of the kind described are extended into the vessel through the opening in the lid.

CLASS 119F.

145191.

Int. Cl.-D03d 45/20.

### A COP CHANGING ATTACHMENT FOR AN ORDINARY OVER-PICKING POWER LOOM.

*Applicant & Inventor* : GANGADHAR VAMAN PENDSE, OF 114/8, MURARJI PETH, KAMATKAR BUNGALOW, OLD POLICE LINES, SHOLAPUR-1, MAHARASHTRA STATE, INDIA.

Application No. 13/Bom/77 filed January 11, 1977.

Addition to No. 105780.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

### 10 Claims.

A cop changing attachment for an ordinary over-picking power loom as claimed in the parent patent No. 105780 characterised in that the formally known finger rod adapted to tilt the shuttle box and cop replacement means for depositing a fresh cop into the shuttle in the shuttle box is replaced by a rocking shaft or twisting rod supported on bearings on both the side walls and cross rail on the lower portion of the loom for transferring the motion from the weft feeler to the tilting box and the cop pushing arrangement.

CLASS 127-I.

145192.

Int. Cl.-F16b 2/00.

### DEVICE FOR HOLDING TUBE SHAPED OBJECTS.

*Applicant & Inventor* : LEIF PERSSON, OF HARLEY BANK SOUTH, VICTORIA ROAD, TODMORDEN, LANCS, ENGLAND.

Application No. 571/Cal/75 filed March 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 23 Claims.

A device for holding a tube-shaped object as for example a yarn bobbin, comprising : a cylindrical or sleeve-shaped casing (4) made in two parts of which at least one part is movable relative to the other and having at least one laterally expandable and contractable portion between said two parts;

a power unit (1) comprising a cylinder (2) located within said casing and a piston (3) displaceably encased in said cylinder (2), said piston being movable by a pressure medium acting on at least one side thereof and being operatively connected to said movable part of the casing so as to move said movable part in a direction towards the other part so as to cause the expandable and contractable portion to expand laterally outward to bear against the inner wall of the object and hold said object and away from said other part so as to cause the expandable and contractable portion to contract laterally and release the object; control means comprising valve means for controlling the pressure medium supply to the power unit; and sensing means for sensing longitudinally directed forces on said object, said sensor means being connected to said control means so as to actuate said control means either to supply pressure medium to the power unit or to discharge the pressure medium therefrom depending upon the direction in which said force acts on the object.

CLASS 116A.

145193.

Int. Cl.-B66d 1/00.

#### IMPROVED CABLE HAULING DEVICE COMPRISING SELF CLAMPING JAWS.

*Applicant* : G. I. E. ELMA, OF 85-87 AVENUE JEAN-LOLIVE, 93170 BAGNOLET, FRANCE.

*Inventor* : JOHANNES AUGUSTUS RINIO.

Application No. 1462/Cal/75 filed July 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Cable hauling apparatus comprising two self-tightening clamps traversed by the cable, wherein each of said clamps consists of two jaws, identical or not, having opposite surfaces with a longitudinal half-cylindrical cable groove, and of one pair of tightening levers registering with each other on either side of said jaws and being apt to actuate said jaws by means of cam surfaces so that said clamps may be set in a reciprocating translatory motion in opposite directions and that each of said clamps alternately hauls the cable along in a predetermined direction and slides freely along the cable firstly, in order to haul or hoist the load, by a forward drive operating lever with two opposite arms, pivoted in the casing, by means of two double driving rods, and secondly, in order to perform the hauling off or the lowering of the load, by a backward control lever by means of a double connecting rod, whereby said clamps are apt to be simultaneously released, in order to permit a free passage of the cable in or out of the clamps, by a releasing member by means of a double link and of the said double connecting rod, *the improvement consisting in that* the forward motion operating lever pivots with its trunnions in bearings which are located on either side of the forward projection of the said clamps groove axis in a single block head, separate from a housing enclosing the cable clamping mechanism, said block head being shaped in such a way that machining of the bearing seats of said trunnions may be effected in a single operation thus ensuring a perfect coincidence of said bearings, and in that said driving rods actuating the one and the other clamp are directly pivoted to the lower end of said operating lever by means each of one pivot rigidly fixed at the forward end of said driving rods, whereby the said pivots of the driving rods actuating the forward and the rearward clamp are located below respectively above the axis of rotation of said operating lever, and in that the said pivots of said driving rods pivot in bearings located inside said trunnions of said lever.

CLASS 206B &amp; I.

145194.

Int. Cl.-H03d 13/00, H04j 3/00.

#### A RELAYING APPARATUS FOR PROTECTING A LINE SECTION OF A POLYPHASE POWER TRANSMISSION LINE.

*Applicant* : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventors* : JOHN CARMINE GAMBALE AND ROGER ELLIOTT RAY.

Application No. 89/Cal/76 filed January 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A relaying apparatus for protecting a line section of a polyphase power transmission network by monitoring the line operating conditions at a local end and at a remote end of the protected line section, said apparatus comprising a plurality of sensor means each associated with one of the phase conductors of the line section, each said sensor means providing an output signal representative of the line operating condition of its associated phase conductor, a plurality of detector means each be . . . . . output signal of its associated sensor . . . . . a normal output signal when the line operating condition is normal and for providing a fault output signal when the line operating condition is faulted, a plurality of comparator means each being adapted to compare said output signal from its associated sensor means with a received corresponding output signal representative of the line operating condition which exists substantially concurrently at the remote end of the line section, a protection circuit being provided for the phase conductors of the line section and operated by said comparator means in accordance with the results of the comparisons of said output signals, characterized in that the relaying apparatus includes a coding network provided with a first clock, said coding network being effective by said normal output signal to provide a repeating time-coded normal word at a rate determined by said first clock, said coding network being effective by said fault output signal to terminate the time-coding of said normal word and to provide a time coded fault word at the rate determined by said first clock, the characteristic of the data bits of said fault word being determined by scanning said output signals of said sensor means in a predetermined sequence, said repeating time-coded normal word and said time-coded fault word being transmitted to the remote end of the protected line over a single communication channel, said relaying apparatus also including a decoding network provided with a second clock, said second clock being responsive to a repeating time-coded normal word received from the remote end to be synchronized with a first clock located thereat, said decoding network being effective in the absence of the received time-coded normal word to sequentially scan the data bits of a received time-coded fault word in said predetermined sequence at a rate determined by said second clock to thereby decode the received fault word into the output signals each representative of the line operating conditions of its associated phase conductor, said output signals being supplied to their associated comparator means.

CLASS 94E &amp; G. &amp; 116G.

145195.

Int. Cl.-B65g 53/30, B02c 23/00.

#### PROCESS FOR LOWERING THE DENSITY OF COMMUNUTED SOLIDS.

*Applicant* : MARATHON OIL COMPANY, OF 539 SOUTH MAIN STREET, FINDLAY, OHIO 45840, UNITED STATES OF AMERICA.

*Inventors* : WILLIAM BARNEY GOGARTY AND LAVAUN S. MERRILL, JR.

Application No. 350/Cal/76 filed February 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process of preparing low density comminuted solids having a specific gravity greater than about 1.0 and a porosity greater than about 10% in a liquid carrier as a slurry comprising substantially saturating the pores of the solids with a fluid having a specific gravity less than about 1.0 by heating the said comminuted solids to create a vacuum in the pores thereof and thereafter contacting the heated solids in cold fluid, said fluid being immiscible with the liquid carrier prior to slurring the solids in the carrier.

## CLASS 32D &amp; E.

145196.

Int. Cl.-C07f 7/28, C08f 45/62.

## A PROCESS FOR THE PREPARATION OF ORGANO-TITANATE SALTS USEFUL AS COUPLING AGENTS.

*Applicant* : KENRICH PETROCHEMICALS, INC., AT THE FOOT OF EAST 22ND STREET, BAYONNE, COUNTY OF HUDSON, NEW JERSEY 07002.

*Inventors* : SALVATORE JOSEPH MONTE AND GERAID SUGERMAN.

Application No. 835/Cal/76 filed May 12, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for making an organo-titanate having the formula  $(RO)_xTi(A)_y(B)_z$ , wherein R is a monovalent alkyl, alkenyl, alkynyl, or aralkyl group having from 1 to 30 carbon atoms or substituted derivatives thereof; A is a thioaryloxy, sulfinic, diester pyrophosphate, diester phosphate, sulfonic (which may have the formula  $OSO_2R''$  wherein  $R''$  is an amino or alkyl substituted aryl group, said alkyl group having 5 to 24 carbon atoms) or a substituted derivative thereof; B is  $OCOR'$  or aryloxy;  $R'$  is hydrogen or a monovalent organic group having from 1 to 100 carbon atoms;  $x + y + z$  equals 4; wherein one mole of a compound having the formula  $(RO)_4Ti$  is reacted with x moles of HA and y moles of HB;

## CLASS 128-B.

145197.

Int. Cl.-A61f 5/00.

## A FLEXIBLE ELEMENT AND SUPPORT ARTICLE MADE THEREFROM.

*Applicant & Inventor* : JOHN STERLING BOYDEN, JR., OF 1942 YALECREST AVENUE, SALT LAKE CITY, UTAH 84108, UNITED STATES OF AMERICA, WILLIAM WARREN EPSTEIN, OF 1193 SOUTH 1900 EAST, SALT LAKE CITY, UTAH 84108, UNITED STATES OF AMERICA, AND PAUL WALTER BOYDEN, OF 1474 LAIRD AVENUE, SALT LAKE CITY, UTAH 84108, UNITED STATES OF AMERICA.

Application No. 2008/Cal/76 filed November 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A flexible tubular element of diameter as herein defined for use in preparing a rigid supporting structure such as orthopaedic cast comprising an elongated outer body portion formed of a stable high molecular weight non-polymerizable organic composition which is pliable and which has protectively enclosed within said outer body portion a polymerizable organic compound such as herein described in a pliable form which when exposed to electromagnetic radiation of wavelength sufficient for effecting polymerization of said organic compound is transformed to a rigid form and rigidifies said element, and said flexible element characterized by being formable to a selected configuration prior to exposure to said radiation and while in said configuration being transformable into a rigid state on exposure of said element to said radiation.

## CLASS 55E.

145198.

Int. Cl.-G01n 33/16.

## A PROCESS FOR PRODUCING A TESTING DEVICE FOR DETECTING URIC ACID.

*Applicant* : THE WELL COME FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON N.W.1, ENGLAND.

*Inventors* : DONALD ROY COWSAR AND STEADMAN DARNELL HARRISON.

Application No. 86/Cal/77 filed January 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for producing a testing device for the detection of uric acid in fluids above or below a selected concentration limit, under alkaline conditions comprising the step of adding in combination, a water activatable iodine such as hereinbefore described for generating a predetermined effective amount of free iodine for providing a colour change *in situ* and an indicator for indicating the presence of free iodine, on a test strip.

## CLASS 90-J.

145199.

Int. Cl.-C03b 19/00.

## GLASSWARE FORMING APPARATUS FOR COOLING A BLANK MOULD USED FOR THE FORMATION OF A GLASS PARISON.

*Applicant* : EMHART INDUSTRIES, INC., OF 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventors* : STANLEY PETER JONES.

Application No. 849/Cal/76 filed May 15, 1976.

Convention date May 28, 1975 (23354/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Glassware forming apparatus for cooling a blank mould used for the formation of the glass parison, the apparatus comprising a blank mould for forming a parison from a gob of molten glass and a cooling member having a surface which surrounds at least a part of the outer surface of the blank mould and defines therewith a series of first substantially vertical regions in which the surrounding surface of the member and the outer mould surface have substantially matching contours and a series of second substantially vertical regions which alternate with the said series of first substantially vertical regions, the surfaces of the first substantially vertical regions each including apertures spaced vertically for delivering cooling gas on to the outer surface of the blank mould, each aperture being separated from the blank mould, each aperture being separated from the edges of the respective first substantially vertical region by a distance greater than the diameter of the aperture, the diameters of the apertures being all of a similar order of size, the spacing between the matching contours of the outer mould surface and the series of first substantially vertical regions being a distance in the range of 0.5 to 2.0 times the diameter of the apertures thereby defining regions of gas confinement, and the second substantially vertical regions each constituting substantially vertical exhaust channels each having a cross-sectional area which is large in relation to the cross-sectional area of the regions of gas confinement.

CLASS 32F<sub>1</sub> & 55D<sub>a</sub>.

145200.

Int. Cl.-C01b 21/12.

## PROCESS FOR PRODUCTION N-AMINOSULFENYL CARBAMATE COMPOUNDS.

*Applicant* : UNION CARBIDE CORPORATION, OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

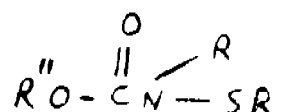
*Inventors* : DUANE EDWARD THURMAN.

Application No. 1135/Cal/76 filed June 25, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

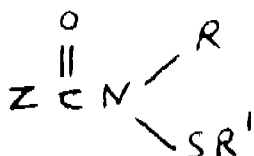
12 Claims.

A process for producing a compound of the formula shown in Fig. 1.



which comprises reacting a compound of the formula  $\text{R}''\text{OH}$

with a carbamoyl halide compound of the formula shown in Fig. 8.



in the presence of an acid acceptor wherein :

R may be hydrogen, lower alkyl, lower cycloalkyl, lower alkenyl, lower alkoxy, or lower cycloalkyl, either unsubstituted or except where R is hydrogen, substituted with one or more chloro, bromo, fluoro, nitro, or cyano substituents, or a combination thereof, or phenyl or lower phenyl alkyl, either unsubstituted or substituted with one or more chloro, bromo, fluoro, nitro, cyano, lower alkyl, lower haloalkyl, or lower alkoxy substituents or a combination thereof;

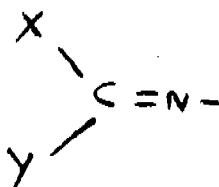
R' is a group of the formula shown in Fig. 2 or Fig. 3.



R<sub>1</sub> and R<sub>2</sub> are individually, hydrogen, alkyl, alkenyl, alkoxy, cycloalkyl, phenylalkyl or phenyl, all of which except hydrogen, may be unsubstituted or substituted, except in the case of hydrogen, with one or more chloro, bromo, fluoro, nitro, cyano, lower alkyl, lower haloalkyl, or lower alkoxy substituents or a combination thereof; or a saturated or unsaturated five or six membered heterocyclic radical in which there are one or two hetero atoms which may be oxygen, sulfur in all of its oxidation states or nitrogen, including combination thereof, all of which heterocyclic radicals may be unsubstituted or substituted with one or more chloro, bromo, fluoro, nitro, cyano, lower alkyl, lower haloalkyl, or lower alkoxy substituents or a combination thereof;

A is a divalent aliphatic chain which may be alkylene, alkenylene or an aliphatic chain which may include one or two hetero atoms of oxygen, sulfur in all of its oxidation states or nitrogen or a combination thereof to form a five or six membered ring structure, which may be unsubstituted or substituted with one or more chloro, bromo, fluoro, nitro, cyano, lower alkyl, lower haloalkyl or lower alkoxy substituents or a combination thereof;

R'' is an imino group of the formula shown in Fig. 4.



wherein X and Y are individually hydrogen, cyano or chloro radicals or are alkyl, alkenyl, alkylthio, alkoxy, aryl, arylthio, carbamoyl, aminocarbonylalkyl or carbonylaminoalkyl groups or are joined together by a saturated or unsaturated divalent aliphatic chain which may be interrupted by one or more sulfur, oxygen or nitrogen atoms to form a five or six membered ring all of which may be substituted by one or more chloro, bromo, fluoro, nitro, cyano, lower alkyl, lower alkylthio, lower alkylsulfinyl, lower alkylsulfonyl, or lower alkoxy substituents with the proviso that the total number of all aliphatic carbon atoms in R'' shall not exceed about 12; and Z is chlorine, bromine or fluorine.

CLASS 32E.

145201.

Int. Cl.-C08f 1/28; 3/02.

PROCESS FOR THE POLYMERIZATION OF ALPHA-OLEFINS BY USING NOVEL CATALYSTS.

*Applicant* : MONTEDISON S.P.A. OF 31 FORO BUONAPARTE, MILAN, ITALY, AND MITSUI PETROCHEMICAL INDUSTRIES LTD., OF KASUMIGASEKI BLDG., 2-5-KASUMIGASEKI, 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

*Inventors* : LUCIANO LUCIANI, (2) NORIO KASHIWA, (3) PIER CAMILLE BARBE, AND AKINORI TOYOTA.

Application No. 1715/Cal/76 filed September 16, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

Process for the polymerization of alpha olefins containing at least 3 carbon atoms and mixtures of same with ethylene, in liquid or gas phase, in presence or not of an inert hydrocarbon solvent, by means of catalyst obtained by contacting the following starting components

(a) a metallorganic Al compound free from halogen atoms directly bound to the Al atom

(b) an electron-donor compound (such as a Lewis base) in such amount that 15% to 100% of said metallorganic Al compound is combined with the electron-donor compound

(c) a solid component comprising the reaction product of a halogenated Mg component with a halogen containing tetra-valent Ti compound and with an electron-donor compound, the molar ratio electron-donor/Ti in said product being higher than 0.2 and the ratio halogen atoms/Ti being higher than 4, the product being further characterized in that at least 80% by weight of the tetra-valent Ti compounds contained therein is insoluble in boiling in n-heptane and in that at least 50% by weight of the Ti compounds insoluble in n-heptane is insoluble too in TiCl<sub>4</sub> at 80°C, and also in that the surface area of the product insoluble in TiCl<sub>4</sub> at 80°C as well as the one of the component (c) as such is higher than 40 m<sup>2</sup>g.

CLASS 32F.b.

145202.

Int. Cl.-C07d 33/06; 39/06.

A PROCESS FOR PREPARING NOVEL HYDROXY-QUINUCLIDIN DERIVATIVES.

*Applicant* : MUNDIPHARMA A.G. OF ST. ALBAN-VORSTADT 94, POSTFACH CH-4006, BASEL, SWITZERLAND.

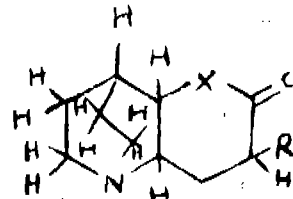
*Inventors* : SASSON COHEN AND ABRAHAM FISHER.

Application No. 2028/Cal/76 filed November 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the preparation of a compound of formula as shown in Fig. 1.



or a salt of the compound in which

X represents oxygen and

R represents alkyl, isoalkyl, aralkyl, cycloalkyl, aryl or substituted aryl,

which comprises reacting the corresponding dialkyl (3-hydroxy-quinuclidin-2-yl) methylalkyl malonate or alkyl (3-hydroxy-quinuclidin-2-yl) methylaryllacetate or alkyl (3-hydroxy-quinuclidin) methyltheteroaryllacetate with concentrated mineral acid to obtain the said salt and further treating the salt in the usual manner to isolate the said compound it desired.

CLASS 32F<sub>aa</sub>.

145203

Int. Cl.-C07c 101/62.

PROCESS FOR PREPARING ARYLOXYALKYLAMINO BENZOIC ACIDS AND ESTERS THEREOF.

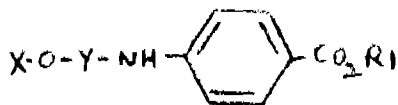
*Applicant* : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.*Inventors* : JAY DONALD ALBRIGHT, THOMAS GARY MINER & ROBERT GORDON SHEPHERD.

Application No. 2074/Cal/76 filed November 19, 1976.

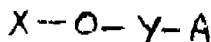
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

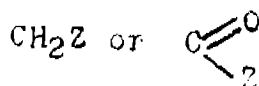
A process for the preparation of a compound of the formula 1.



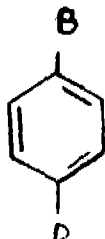
wherein Y is a branched or straight chain alkyl  $C_nH_{2n+1}$  wherein A is 2 to 12; R<sub>1</sub> is hydrogen, loweralkyl, diloweralkylaminoethyl, 2, 3-dihydroxypropyl, 2-loweralkanoylaminoethyl, or 1-methyl-4-piperidyl; X is phenyl, naphthyl, thienyl, furyl, 1, 2, 3, 4-tetrahydronaphthyl, 4-chloro-1-naphthyl, or substituted phenyl, wherein the phenyl substituents are halogen, hydroxyl, lower-alkoxy, loweralkyl, cyano, trihalomethyl, amino, loweralkanoylamino, lower-alkylamino, diloweralkylamino, phenyloxy, *p*-chlorophenoxy, benzyloxy, *p*-chlorobenzyloxy or cycloalkyl; and the pharmaceutically acceptable salts thereof, characterized by reacting with or without solvent at 50°C to 170°C for one to 25 hours an alkylating agent of the formula 11.



wherein X is phenyl, naphthyl, thienyl, furyl, 1, 2, 3, 4-tetrahydronaphthyl, 4-chloro-1-naphthyl, or substituted phenyl, wherein the phenyl substituents are halogen, hydroxyl, lower-alkoxy, loweralkyl, cyano, trihalomethyl, amino, loweralkylamino, phenoxy, *p*-chlorophenoxy, benzyloxy, *p*-chlorobenzyloxy or cycloalkyl; Y is a branched or straight chain alkylene ( $C_nH_{2n}$ ) of 0 to 11 carbon atoms ( $n = 0$  to 11); wherein A is H (when  $n = 0$ ),



and Z is halogen, hydroxy, alkoxy, alkylsulfonate or arylsulfonate ester, trialkylammonium, or hydrogen (except when A is  $CH_2Z$ ) with a compound of the formula III.



wherein B is haloalkylencamino, alkyl or arylsulfonyloxy-alkylencamino, aziridino, acylamino, or amino (or a group convertible thereinto) and D is a carboxylic acid or ester group or a nitrile or amide group convertible thereinto, with the proviso that when B is haloalkylencamino, alkyl or arylsulfonyloxyalkylencamino or aziridino, A is H and n is zero in II, the pharmaceutically acceptable salts being prepared in a conventional manner.

CLASS 161-A.

145204

Int. Cl. E01c 19/00.

IMPROVEMENTS IN OR RELATING TO PARTICULATE SPREADING MACHINES.

*Applicant* : CALCUTTA METROPOLITAN DEVELOPMENT AUTHORITY, OF 3A, AUCLAND PLACE, CALCUTTA-700 017, WEST BENGAL, INDIA.*Inventor* : DHIRENDRA NATH GHOSH.

Application No. 677/Cal/77 filed May 6, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A mobile particulate spreading machine of the type described comprising a Feeder preferable of the bucket type, a hopper, said feeder operable by a cable fixedly mounted at one end thereof to the base of the said feeder and at the other end to a rotating drum driven by a Spindle disposed on a loading rig substantially above hopper; at least one vertically operable Spreader gate mounted within the said hopper; V-Shaped Screed means for controlling the mat thickness of the Spread by adjusting the height of the screed by its vertical movement along two Screwed Spindles operable by handles; a cut off plate at each open end of the said Screed, the cut off plates being adjustable by horizontally screwed spindle provided with operating handle; a tamper means mounted Intermediate and within the said screed for the initial compaction of the spread; electrically powered heating device for keeping the Spread sufficiently heated by plurality of heating coils located inside the screed and receiving power from Generator; at least two link Crawlers tracks oppositely mounted parallel to the said Spreading machine and the Prime Mover unit for driving the said spreading machine on said tracks through a variable speed gear box and a differential unit, a supporting crawler mounted substantially intermediate and drive crawlers and eccentric the axis thereof; a retractable/detachable pneumatic under-carriage unit disposed each side transverse of the said spreader used for towing of the spreader.

CLASS 42D & 143A & D<sub>a</sub>.

145205

Int. Cl. B65b 1/00; 1/04.

PROCESS AND EQUIPMENT TO PRESS TOBACCO LEAVES AND SIMILAR MATERIAL INTO BALES AND/OR INTO A PACKING.

*Applicant & Inventor* : ANTONIUS MICHAEL STEEMAN, OF REINOLD-STRAAT 42, UDEN, THE NETHERLANDS.

Application No. 1340/Cal/77 filed August 29, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Process for compressing tobacco leaves and similar materials into bales, characterized in that the material is compressed in a compressing chamber in at least two, mutually perpendicular directions.

CLASS 55D<sub>a</sub>.

145206

Int. Cl. A01n 9/00; 17/10.

A PROCESS FOR PREPARING FLOWABLE, AQUEOUS PESTICIDE COMPOSITIONS OF IMPROVED ACTIVITY.

*Applicant* : DIAMOND SHAMROCK CORPORATION, AT 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, U.S.A.*Inventor* : ALFRED FINLAY MARKS.

Application No. 1504/Cal/77 filed October 13, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A process for preparing a flowable, aqueous pesticide composition of improved activity which comprises wet-milling together in an aqueous medium, from 10 to 60%, by weight, of at least one essentially water-insoluble, pesticidally-active component such as herein described; from 1.0 to 10%, by weight, of a non-ionic surfactant such as herein described; from 0.02 to 1.0%, by weight, of a known heteropolysaccharide gum; from 0 to 10% by weight of a usual anticaking agent; from 0 to 5% by weight of a usual antifoaming agent, and from 0 to 10%, by weight, of a known freeze-point depressant, the aqueous medium being used in a sufficient quantity to provide, in combination with the other ingredients, 100%, by weight, of finished composition, said wet-milling being continued for a sufficient time period to provide a flowable composition wherein the pesticidally active component has an average particle size of 1.0-5.0 microns.

CLASS 76E.

145207

Int. Cl. F16g 11/00.

## IMPROVED TUBULAR GUARD FOR LINEAR BODIES.

*Applicant*: PREFORMED LINE PRODUCTS COMPANY, OF 660 BETA DRIVE, CLEVELAND, OHIO 44143, UNITED STATES OF AMERICA.

*Inventors*: HARRISON LAMONT WILLIAMS, & DETRE MIKLOSE BANHIDY.

Application No. 2077/Cal/75 filed October 29, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An improved tubular guard for linear bodies comprising a tubular member adapted to be mounted in generally coaxial alignment on a linear body; said tubular member having a first slit extending its entire length and a second slit extending only a portion of its length to define a gap in the wall of said member; an elongated strip attached at one end to said member and extending toward the other end and adapted to be flexibly displaced in said gap, said elongated member being helically preformed to an internal diameter and open pitch length to permit being wrapped around said linear body in gripping engagement therewith, the improvement which comprises; means disposed at the end of said tubular member toward which said helically preformed strip extends for locking said tubular member in mounted disposition on said linear body.

CLASS 48D<sub>1</sub>.

145208

Int. Cl. H02g 1/18.

## ELECTROMECHANICAL APPARATUS FOR SECURING END WINDING CONDUCTORS OF A TURBINE GENERATOR.

*Applicant*: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventors*: HAROLD MYER PHILOFSKY & JULIUS JING-LIH WU.

Application No. 2256/Cal/75 filed November 26, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Electromechanical apparatus, for securing end winding conductors of a turbine generator, having a stator iron core, comprising stator end winding conductors extending from the stator iron core, a nonmetallic supporting structure coupled to the stator iron core; a resilient and flexible member reinforced with nonmetallic cords of twosted strands said flexible member having two ends and being disposed around a portion of an end winding conductors, and means for connecting the ends of said flexible member to the supporting structure to develop a tensile stress in the flexible member which tends to pull said conductor toward the supporting structure.

## CLASS 27-D.

145209

Int. Cl. E04c 3/00.

## PNEUMATIC COLUMN ADAPTED TO BE USED FOR VARIOUS APPLICATIONS SUCH AS PONTOON BRIDGES, RAFTS, DREDGERS AND COLLAPSIBLE VERTICAL COLUMNS.

*Applicant & Inventor*: SUJASH KUMAR BAIN, OF RAJOURI GARDENS, NEW DELHI, INDIA.

Application No. 49/Cal/76 filed January 8, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 11 Claims

A collapsible pneumatic column adapted to be used for various applications such as pontoon bridges, rafts, dredgers and collapsed load bearing columns comprising an inflatable spine made of a resilient metallic material capable of being wound on a drum within a casing an end cover provided at the top end of the said spine, a plurality of cones disposed within said spine in a preformed position of said spine, said cones being linked with adjacent cones by a rubber diaphragm in which the arrangement being such that upon supplying a high pressure air within said spine the column expands forming a rigid structure.

CLASS 170A.

145210

Int. Cl. C11d 3/16.

## WASHING COMPOSITIONS CONTAINING A BLEACH ACTIVATOR.

*Applicant*: INTEROX CHEMICALS LIMITED, OF HANOVER HOUSE, 14 HANOVER SQUARE, LONDON, W1R 0BE, ENGLAND.

*Inventors*: JOSEPH EDMUND MC CRUDDEN, (2) DAVID SMITH HORNE, (3) ALAN PRODGERS, (4) ALAN EDWARD COMYNS, (5) ALAN SMITH, (6) PETER JOHN RUSSELL, AND ROBERT ERIC TALBOT.

Application No. 773/Cal/76 filed May 4, 1976.

Convention date May 13, 1975 (20033/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 25 Claims

## A washing composition comprising:

(a) a surfactant, which may be a fatty acid and its alkali metal salts, and present in the composition in an amount of from 1% to 90% by weights,

(b) a detergent builder, which is a solid desensitising diluent, present in the composition in the proportion of from 1% to 90% by weight, sufficient to adjust the pH of the detergent solution to from pH 7 to 11, more preferably from pH 8 to 11, and

(c) a bleaching agent, which comprises a diacyl peroxide, of general formula  $ROOR^1$  wherein R represents a "phthaloyl radical" as herein defined and  $R^1$  represents an acyl radical, such that  $ROOR$ ,  $ROOR^1$  and  $R^1OOR^1$  are soluble in mildly alkaline aqueous conditions, the said diacyl peroxide being relatively water-soluble and not producing any relatively water-insoluble diacyl peroxides when contacted with water, the weight ratio of said diacyl peroxide to said diluent being selected within the range of 1:0.5 to 1:10 and frequently within the range of 1:1 to 1:10 and the proportion of the active oxygen-containing compounds in the composition being so selected that the total active oxygen content falls within the range of 0.11% to 4% by weight, and the composition is so formulated as to give a solution pH of from about 8.5 to 9.5.

CLASS 1576c.

145211

Int. Cl. E01b 3/00.



IMPROVEMENTS IN OR RELATING TO RAIL CLIP ADAPTER FOR USE IN A RAIL FASTENING ASSEMBLY.

*Applicant*: GUEST KEFN WILLIAMS LIMITED, OF 3A, SHAKESPEARE SARANI, CALCUTTA-700071, WEST BENGAL, INDIA.

*Inventors*: KARUMANASSERY PARASURAM RAM-CHANDRAN.

Application No. 988/Cal/76 filed June 8, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

A rail clip adapter for use in a rail fastening assembly incorporating an elastic rail clip said adapter comprising a single length of spring steel bar of conventional section bent into the form of an inverted "U" shape one free end of which is deformed out of the plane of said inverted "U" shape to comprise a hook for insertion thereof through an adapter locating hole in a rail sleeper for abutment of said one free end against the underside of said rail sleeper, the central portion of said inverted "U" shape being curved inwardly for locating the centre leg of said elastic rail clip and the other free end portion of said inverted "U" shape being deformed oppositely out of the plane of said inverted "U" shape to comprise an outwardly extending flange portion for abutment with the outer free leg of said elastic rail clip.

CLASS 32F.a.

145212

Int. Cl.-C07c 143/24.

PROCESS FOR THE PREPARATION OF ISOMER-FREE TOLUENE-4-SULFONIC ACID.

*Applicant*: HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: OTTO ARNDT, (2) BERNHARD MEES.

Application No. 680/Cal/77 filed May 6, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 25 Claims. No drawings

A process for the preparation of toluene-4-sulfonic acid which comprises heating toluene with sulfuric acid of at least 85% by weight strength to a temperature of up to 140°C, thereafter, allowing the toluene-4-sulfonic acid formed to crystallize in the form of its hydrate, isolating said hydrate, washing it free of isomers with aqueous sulfuric acid, combining the mother liquor separated from said hydrate with the aqueous sulfuric acid used in said washing, heating them to 120 to 160°C, allowing the toluene-4-sulfonic acid to crystallize in the form of its hydrate by cooling and isolating the hydrate.

CLASS 39-I & 72 B.

145213

Int. Cl.-C01d 9/00.

IMPROVED PROCESS FOR THE PREPARATION OF PURE POTASSIUM NITRATE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors*: SATCHIDANANDA MAHAPATRA, SURENDRA NATH DAS AND PRABHAT KUMAR PALIT.

Application No. 3/Del/76 filed October 11, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 6 Claims. No drawings

An improved process for the preparation of pure potassium nitrate (99.5-99.8%) by reacting potassium chloride with nitric acid in an aqueous medium, characterised in that the reaction is carried out in two stages at controlled temperature range, firstly at -10° to 30°C and then 60°-75°C and potassium nitrate is obtained on cooling the reaction mass.

2-237 GI/78

CLASS 32F.b & 55D.

145214.

Int. Cl.-C07d 55/06.

A PROCESS FOR THE PREPARATION OF SUBSTITUTED-5-ALKOXYCARBONYLAMINO 1, 2, 4 TRIAZOL-3-ONES.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

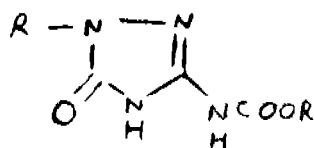
*Inventors*: REVANNURU VENKATACHALIAH VENKATARATNAM, KALI KI BHARAMARAMBA AND KIDAMBI MOHAN.

Application No. 75/Del/77 filed April 16, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 4 Claims.

A process for the preparation of 2-substituted-5-alkoxy-carbonylamino 1, 2, 4-triazole-3-ones, represented by the general structure of Fig. 1.



where :

R & R' are selected from phenyl, p-nitrophenyl, α-pyridyl, α-quinolyl and alkyl radicals of 1 to 4 carbon atoms, which comprises of reacting aryl or heteroaryl substituted hydrazines with N, N'-dicarbalkoxy-S-methyl isothiurea in presence of solvents.

CLASS 128K.

145215.

Int. Cl.-A61b 17/12.

A TOURNIQUET.

*Applicant & Inventor*: KANDATHIEL KOSHY VARUGHESE, OF PLOT NO. 50, ARUNDALENAGAR, TIRUVANMIYUR, MADRAS-600041, TAMIL NADU, INDIA.

Application No. 85/Mas/76 filed May 10, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 3 Claims.

A tourniquet provided with a rigid body and a flexible band, the said body comprising a serrated roller for running one end of the band around it, the other end of the band around it, the other end of the band being fastened to the body to form a loop; and a spring-loaded clamp disposed adjacent to, and along the length of, the roller, the said clamp, in its non-actuated position, gripping the band over the roller while permitting only a unidirectional movement of the band and, in its actuated position, releasing the band.

CLASS 107B & C.

145216.

Int. Cl.-F02b 69/02.

A DEVICE FOR A PETROL ENGINE OF AN AUTOMOBILE TO RUN THE SAME ON DIESEL OIL.

*Applicant & Inventor*: SHANKAR DAJI KULKARNI, S. DAJI BLDG., NARAYAN PETH, ICHALKARANJ, (DIST. KOLHAPUR), MAHARASHTRA STATE, INDIA.

Application No. 204/Bom/76 filed June 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch).

#### 2 Claims.

A device for a petrol engine of an automobile to run the same on diesel oil comprising (1) a modified head for existing petrol engine; (2) an extended drive for running the fuel pump assembly; (3) an additional ring to be fixed on the existing fly wheel to increase the weight of the fly wheel,

the said modified head has a completely flat bottom with a turbulence type oval shaped pre-combustion chamber for every cylinder and an injector device obliquely mounted on the top of the cavity, an electric heating plug tip of which enters the said pre-combustion chamber; the modified piston has a pit in variety of shapes to form the combustion chamber. the said turbulence type pre-combustion chamber provided in the modified head and the pit of varying shapes provided in the modified piston together, accomplish desired compression ratio, the said extended drive to run the conventional diesel oil fuel pump is taken from existing two pullies of cam shaft and crank shaft; a single chain drive now operates in addition a pulley of the diesel oil fuel pump, the said additional ring is fitted on the existing fly wheel to increase its weight so as to be heavy enough to become suitable for running the said engine on diesel.

CLASS 82.

145217.

Int. Cl.-A01k 83/00.

AN APPARATUS FOR ATTACHING FISHING HOOKS TO A LINE IN A LONG-LINE FISHING.

*Applicant & Inventor*: KOLBJORN BJORSHOL, OF 6560 LANGOYNESET, NORWAY.

Application No. 850/Cal/76 filed May 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An apparatus for attaching fishing hooks to a line, comprising means for advancing a line which is provided at intervals with snoods, through a tubular conduit and adapted to slot extending along the length of the conduit and adapted to cooperate with snood heads of the snoods for the purpose of orienting the same as they follow the slot, the said conduit feeding into at least on passage, the apparatus also comprising at least one fishing hook store provided with means for individually advancing fishing hooks on to an impacting device facing the output end of one of the snood advancing passages and provided with means for reciprocally moving the impacting device so as to force the neck of a fishing hook into engagement with a snood head.

CLASS 107H.

145218.

Int. Cl.-F02m 37/00.

ROTARY DISTRIBUTOR FUEL INJECTION PUMP.

*Applicant*: STANDYNE, INC., AT 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventor*: CHARLES WADE DAVIS.

Application No. 1864/Cal/76 filed October 11, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A rotary distributor fuel injection pump suited for the delivery of pulsed charges of high pressure fuel sequentially to the cylinders of an associated engine comprising a main high pressure pumping chamber and an auxiliary high pressure pumping chamber having a common outlet passage for the delivery of pressurized fuel generated in the pumping chambers to an associated engine, characterized in that the pumping plungers in said pumping chambers have simultaneous pumping strokes for generating high pressure pulsed charges of fuel therein and actuating means for powering said pumping plungers to generate the pulsed charges of fuel in the chambers simultaneously and to delivery their combined pulsed output sequentially to each of the cylinders of the engine, and further characterized by disabling means for rendering said auxiliary pumping chamber in-operative to delivery its output to said common outlet passage without impairing the connection of the main pumping chamber thereto after the engine speed reaches a predetermined level.

CLASS 68B.

145219.

Int. Cl.-H02g 7/00.

A SPACING MEMBER FOR WIRE GROUPS IN ELECTRICAL OVERHEAD LINES.

*Applicant*: DAMP S.P.A., VIA LOCATELLI, 24C, 24100 BERGAMO, ITALY.

*Inventor*: LORENZO CANTAMESSA.

Application No. 2206/Cal/76 filed December 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A spacing member for wire groups in electrical overhead lines, comprising a central bearing body carrying a plurality of arms, one arm for each wire, equally spaced apart on the periphery of said body and having the end thereof in the form of a fork, wherein the two legs of the fork are passed through by a respective hole of a cross-section other than circular, wherein each of said arms integral with the central body are associated with a respective movable arm carrying at each end a large eye with a bore of a cross-section other than circular, by one of its ends this movable arm being pivoted at the fork-like end of the associated rigid arm of the central body by a pin of a cross-section other than circular, and with the interposition of two cores made of resilient material, these cores being internally hollow and passed through by said pin, while the other end of the movable arm with the other, large eye thereof similarly by a similar pin of a cross-section other than circular similarly passing through two internally hollow cores of resilient material, is pivoted on the fork-like end of a jaw intended for clamping a respective wire.

CLASS 32F<sub>sc</sub>.

145220.

Int. Cl.-C07c 121/18.

PROCESS FOR PREPARING DI-N-PROPYL ACETONITRILE.

*Applicant*: LABAZ, OF 39 AVENUE PIERRE LER DER SERBIE, F-75008, PARIS, FRANCE.

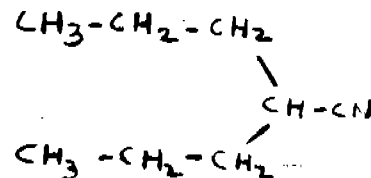
*Inventors*: MICHEL CHIGNAC, CLAUDE GRAIN & CHARLES PIQUEROL.

Application No. 620/Cal/77 filed April 25, 1977.

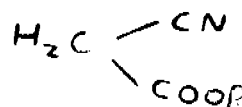
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Process for the preparation of di-n-propyl acetonitrile of the formula 1.



characterised in that sodium n-propylate in n-propanol is added to a reaction medium at a temperature of from 45 to 55°C, which is formed of a cyanacetate of general formula 11.



in which R represents an alkyl radical having from 1 to 4 carbon atoms, and n-propyl bromide or iodide, the resulting reaction mixture is heated under reflux, the crude ester thus obtained is saponified with a 10 to 20% by weight of a solution of sodium hydroxide or potassium hydroxide and

the salt as thus obtained is acidified with a strong acid, yielding the crude di-n-propyl cyanacetic acid, which is decarboxylated by heating at a temperature which is between 140°C and 190°C, so as to obtain the di-n-propyl acetonitrile.

CLASS 131B.

145221.

Int. Cl.-E21c 3/00.

A HYDRAULICALLY OPERATED PERCUSSION DEVICE.

*Applicant* : LINDEN-ALIMAK AB, OF 93103 SKELLEFTEA, SWEDEN.

*Inventor* : VAINO ESKO JUVONEN.

Application No. 425/Cal/75 filed March 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A hydraulically operated percussion apparatus comprising a housing having a bore accommodating a reciprocating impact piston, pressure chambers defined between recesses of the housing and the mantle surface of the impact piston, and a channel system including a high pressure and a low pressure branch for conducting hydraulic pressure fluid to and from the pressure chambers, a first one of the chambers ring-like surrounding the piston and being defined, at its end remote from the impact tool, by an annular shoulder on the piston, and at its opposite end, by an angular surface of the housing, the first chamber having a first port communicating with the high pressure branch and a second port communicating with the low pressure branch and being located between the first port and the said annular surface of the housing, a sleeve-like element surrounding the piston in the first chamber and being axially shiftable by the reciprocating movement of the piston so that it either covers the first port but not the second port or covers the second port but not the first port, characterized in that, the said angular surface of the housing has an annular groove, in which one end of the sleeve-like element is located when the second port is covered by the said element, third and fourth ports are located in the surface of the said bore below the said annular surface, the third port communicating with the bottom of the annular groove and the fourth port communicating with the low pressure branch, a recess in the mantle surface of the piston connecting the third and fourth ports to each other when the piston is in its foremost end position, the said recess connecting the third port with the said annular chamber when the piston is in a position between its extreme end positions.

CLASS 158E.

145222.

Int. Cl.-B61f 5/00.

IMPROVEMENTS IN AND RELATING TO RAIL VEHICLES.

*Applicant* : CREUSOT-LOIRE, OF 42, RUE D' ANJOU, 75008 PARIS, FRANCE.

*Inventor* : ROBERT MOUNEYDIERE.

Application No. 1334/Cal/75 filed July 8, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

A body-to-bogie connection for a rail vehicle bearing on bogies each having a central pin bolster, comprising a cross-link for articulation to the bogie pin, means for applying the weight of the vehicle body to the ends of the cross-link, and transversely deformable resilient blocks to be interposed between each end of the cross-link and the bolster and which have a vertical flexibility such that under load the cross-link will transmit only a very reduced vertical force to the bogie pin.

CLASS 4A, &amp; 190B &amp; D.

145223.

Int. Cl.-F02k 3/00.

IMPROVEMENTS IN OR RELATING TO TURBO FAN EXHAUSTS.

*Applicant* : THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, OF WHITEHALL, LONDON, S.W.1., ENGLAND.

*Inventor* : JOHN PHILIP EDWARDS.

Application No. 1335/Cal/75 filed July 9, 1975.

Convention date July 9, 1974/(30455/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

An aircraft turbo fan engine including a common exhaust nozzle for the gas generator and fan flows; structure defining a plurality of passages each having an inlet adjacent the downstream extremity of a turbine and an outlet downstream of the inlet and radially outward, relative to an axis of symmetry of the engine, of the inlet, the inlets being so shaped and the structure being so positioned that substantially all gas emerging from the turbine passes through the passages; and an annularly concave backing plate downstream of the turbine; the disposition of the structure being such that when the engine is in use hot gas from the turbine is divided into a plurality of discrete streams and directed outwardly into the cold gas flow from the fan to mix therewith whilst a portion of the cold gas from the fan flows through gaps defined by the structure of adjacent passages downstream of the inlets, and the concavity of the backing plate being such that when the engine is in use an annular zone of recirculatory gas is formed adjacent to the backing plate.

CLASS 69E.

145224.

Int. Cl.-H01h 300.

DIRECTION INDICATOR SWITCH.

*Applicant* : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, B19 2XF, ENGLAND.

*Inventor* : NORMAN WILKINSON.

Application No. 1368/Cal/75 filed July 14, 1975.

Convention date July 17, 1974/(31567/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A direction indicator switch, for a road vehicle, including a body a rotor mounted for rotational movement relative to the body about a first axis, between a central rest position and first and second operative positions on opposite sides respectively of said central rest position, detent means on the body and the rotor for resiliently retaining the rotor in any one of the rest and first and second positions, a detent release member movable with the rotor and movable relative to the rotor to release said detent means, and a pawl, said pawl being resiliently urged towards a position wherein in use the pawl projects into the orbit of a striker rotating with the vehicle steering shaft, and said pawl being permitted to move to said position when the rotor is moved to either its first or its second operative position, the pawl, when in said projecting position being capable of pivoting relative to the body about either of a pair of spaced parallel axes and the pawl including parts co-operable with said detent release member whereby when said rotor is in one or other of said operative positions and said pawl is moved about the appropriate one of said pair of axes by cancelling movement of the striker, then one of said pawl parts co-operates with said detent release member to move the member relative to the rotor so releasing the detent means and freeing the rotor for movement back to said central rest position.

## CLASS 12B.

145225.

Int. Cl.-C23c 9/10.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR NITRIDING IRON AND STEEL IN SALT BATHS AND AN IMPROVED SALT BATH THEREFOR.

*Applicant* : DEUTSCHE GOLD UND SILBER SCHEIDENANSTALT VORMALS ROESSLER, OF 9 WEISSFRAUENSTRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

*Inventors* : DR. HERMANN BEYER, PETER BIBERBACH AND CHRISTIAN SCONDO.

Application No. 1529/Cal/75 filed August 4, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

An improved salt bath for use in nitriding of iron and steel comprising 25-57% by weight of cyanate for example alkali cyanates calculated as cyanate ion, remainder made of carbonates for example alkali carbonates and alkali metal ions, the salt bath also having upto 5% by weight of cyanides, calculated as cyanide ions based on the total weight of the bath.

## CLASS 62A.

145226.

Int. Cl.-D21c 9/10.

HYDROGEN PEROXIDE BLEACHING OF COTTON GOODS.

*Applicant & Inventor* : JEROME KATZ, OF 280 RHINECLIFF DRIVE, ROCHESTER, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1807/Cal/76 filed September 29, 1976.

Convention date October 3, 1975/(40478/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

33 Claims.

A process for scouring, desizing and bleaching cotton greige goods comprising the steps of :

(a) immersing said goods for a time sufficient to achieve commercial brightness but less than about 30 minutes in an aqueous solution have a temperature in the range from 100 to 212 degrees F. and consisting of from 0.3 to 70% by volume hydrogen peroxide, water and sufficient hydroxide to adjust said solution to a pH in the range from 2 to 14, said solution being substantially free of heavy metal ions and maintained out of contact with all metals while said goods are immersed therein;

(b) cycling a portion of said solution through a filtration means to remove solid impurities therefrom while maintaining the volume, composition and pH of said solution in contact with said goods substantially the same;

(c) rinsing said goods with water to wash said aqueous solution therefrom; and

(d) drying said goods.

# CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title in the application and specification of application for patent No. 142226 (earlier numbered as 1639/Cal/75) made by "Edenvale Engineering Works (Proprietary) Ltd., the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 11th June, 1977 has been corrected to read as "A method of making the working portions of an abrasive tool and the working motion of the abrasive tool thus produced" under Section 78(3) of the Patents Act, 1970.

(2)

The specification of Patent No. 142238 (earlier numbered as 1906/Cal/74) made by M/s. Johnson & Johnson, of

U.S.A., the acceptance of the complete specification of which was notified in the Part III, Section 2 of the Gazette of India dated the 18th June, 1977 has been corrected by deleting claim 6 therefrom under Section 78(3) of the Patents Act, 1970.

(3)

The title of the invention in the application, specification and also the opening description of the specification of patent application No. 142533 (earlier numbered as 147/Cal/75) was made by KABEL-UND METALLWERKE GUTEHOFFNUNGSHUTTE AKTIENGESellschaft, in acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 23rd July, 1977 has been corrected to read as "Process and apparatus for the production of longitudinally seam welded metal tubes and seam welded metal tubes so produced" under Section 78(3) of the Patents Act, 1970.

(4)

The title of the invention in the application, specification and also opening description of the specification of patent application No. 142686 (earlier numbered as 252/Cal/74) made by TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEKHNologii MASHINOSTROENIA and VSESOJUZNY PROEKTNO-TEKHNologichESKY INSTITUT YAZHOLOGO MASHINOSTROENIA, the complete specification of which was notified in the Part III, Section 2 of the Gazette of India, dated the 13th August, 1977 has been corrected to read as "A method for producing foundry moulds and cores and foundry mould or core so produced" under Section 78(3) of the Patents Act, 1970.

(5)

The title in the application, specification and also in the opening description of the specification of application for patent No. 142689 (earlier numbered as 2005/Cal/74) made by "National Aeronautics and Space Administration", the acceptance of the complete specification of which was notified in Part III, Section 2, of the Gazette of India dated the 13th August, 1977 has been corrected to read as "A surgical tissue macerating and removing instrument" under Section 78(3) of the Patents Act, 1970.

(6)

The title of the invention in the application, specification and also the opening description of the specification of patent application No. 142782 (earlier numbered as 1544/Cal/74) made by Ernest Harry West & Others, of Australia, the acceptance of the complete specification of which was not notified in Part III, Section 2 of the Gazette of India, dated the 27th August, 1978, has been corrected to read as "A base board for supporting a bee hive" under Section 78(3) of the Patents Act, 1970.

(7)

The title in the application, specification and also opening description of the specification of application for a patent No. 142901 (earlier numbered as 105/MAS/75) made by "IDL Chemicals Limited", the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 10th September, 1977 has been corrected to read as "A method of manufacturing detonator shells and detonator shells thus obtained", under section 78(3) of the Patent Act, 1970.

(8)

The title in the application, specification and also the opening description of the specification of application of patent No. 143019 (earlier numbered as 192/BOM/75) made by "Balcke-Durr Aktiengesellschaft", the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India, dated the 24th September, 1977 has been corrected to read as "A method of and an apparatus for helically winding of a band on a tube to form a helically finned tube and the helically finned tube thus produced" under Section 78(3) of the Patents Act, 1970.

## PATENTS SEALED

140337 141856 142068 142468 142726 143057 143127 143149  
143206 143397 143635

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

131460 — M/s Macneill & Barry Limited.

135292 — Shri K. Narasimha Bhat.

PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
85120 (20-4-72)	Process for the production of N-(2, 3-dimethylphenyl) anthranilic acid and its salts.
101316 (20-4-72)	Process for the preparation of schiff bases.
118607 (20-4-72)	Novel process for producing 1-alkylnitrobenzodiazepine derivatives.
124593 (20-4-72)	A method of preparing mastitis immunoglobulin.
125410 (20-4-72)	Preparation of surgical grade plaster of paris.
129002 (26-10-70)	Process for removing the solvent or suspending medium from polymeric solutions or suspensions.
129349 (28-7-71)	Process for preparing a catalyst.
130739 (20-4-72)	Process for preparing novel 6, 7-dimethoxyquinazolinones useful as analgesic and tranquilizer agents.
134780 (13-2-73)	Method of making paper and other cellulose products.
135154 (26-5-72)	Process for the production of d.chloroquinacridones.
135184 (20-4-72)	Process for preparing new aminoalcoholic derivatives from ortho transhydroxycinnamic acids.
136001 (25-5-72)	Process for the preparation of N-tertiary-4-aminomethyl-dibenzo [b, c]- 11-oxepinc- 2'-spiro-1', 3'-dioxolanes.

## RENEWAL FEES PAID

79107	88010	89329	89363	89393	89407	89519	89640	89644
89813	89854	90004	90512	94177	94999	95077	95092	95094
95143	95279	95720	95839	95927	95994	97162	99588	99591
99655	99656	99768	100844	100955	101073	101138	101139	
101140	101193	101201	101212	101320	103217	103688	104524	
104526	106066	106579	106580	106604	106618	106647	106746	
106833	106852	106989	107079	107083	107108	107114	107149	
107150	107193	107552	107976	108156	108294	108504	108704	
108880	108881	109478	109709	109897	110177	110605	110701	
110716	110805	110835	110854	110856	111213	111701	111812	
111886	111891	111909	111941	111987	112096	112112	112123	
112146	112167	112168	112368	112538	112569	112847	113002	
113198	113824	114419	114867	115086	115207	115272	115547	
115714	115716	115840	115841	116535	116795	116856	117070	
117150	117165	117286	117385	117394	117424	117436	117437	
117533	117721	118972	119087	120998	121061	121303	121427	
121613	122467	122550	122608	122648	122690	122693	122729	
122845	122874	123001	123027	123144	123192	123199	123217	

123631	124455	124755	125291	125410	125548	125605	125653
126062	126065	126120	126121	126178	126179	126439	126552
126664	126709	126988	127059	127151	127803	127908	128004
128018	128045	128061	128082	128107	128138	128198	128231
128318	129064	130128	130313	130363	130898	131023	131255
131472	131473	131516	131607	131628	131783	131960	132040
132089	132243	132244	132323	132349	132384	132385	132408
132451	132486	132513	132524	132556	132564	132573	132576
132588	132698	132699	132733	132800	132865	132890	134375
134738	134765	134835	134998	135003	135030	135104	135210
135211	135212	135213	135278	135347	135479	135576	135628
135639	135654	135715	135727	135751	135872	136123	136176
136230	136346	136487	136494	136519	136565	136645	
136656	136700	136723	136834	136899	136934	136955	
136975	137026	137032	137073	137075	137124	137136	137180
137207	137233	137269	137276	137277	137315	137334	137359
137396	137542	137645	137688	137695	137859	137918	138007
138008	138139	138141	138237	138318	138350	138365	138395
138415	138975	138997	139024	139041	139128	139191	139207
139213	139223	139224	139244	139270	139287	139291	139351
139366	139382	139475	139747	139791	139862	139868	139869
139888	139917	139928	139949	140006	140028	140032	140034
140124	140208	140226	140248	140286	140287	140321	140328
140330	140354	140367	140381	140382	140384	140402	140456
140477	140489	140502	140575	140612	140632	140702	140711
140734	140736	140768	140795	141006	141056	141119	141120
131122	141125	141233	141278	141479	141548	141551	141568
141607	141657	141663	141731	141755	141756	141767	141824
141841	141861	141871	141882	141893	141912	141913	141927
141939	141941	141956	141957	141993	141999	142001	142029
142035	142036	142038	142070	142080	142098	142099	142112
142148	142153	142154	142169	142182	142183	142184	142188
142203	142245	142246	142249	142250	142251	142261	142266
142274	142275	142290	142293	142301	142307	143308	142312
142315	142318	142320	142324	142325	142332	142335	142349
142352	142357	142367	142390	142399	142434	142506	142517
142528	142606	142611	142615	142621	142622	142660	142667
142683	142691	142694	142701	142808	142821	142852	142860
142862	142866	142875	142956	142962	143010	143017	143024
143032	143034	143054	143055	143067	143100	143101	143177
143213	143778						

## CESSATION OF PATENTS

112066	112091	112092	112100	112128	112134	112143	112151
112169	112187	112202	112227	112230	112231	112235	112241
112271	112275	112276	112312	112325	112337	112343	112347
112372	112374	112405	112438	112449	112494	112523	112539
112565	112573	112609	112610	112648	112649	112663	112690
112698	112729	112748	112750	112788	112822	112836	112843
112856	112875	112883	139749	139850	139851		

(1)

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 132662 granted to Harish Engineering Works subsequently assigned to Harish Textile Engineers Private Limited for an invention relating to "rotary screen printing machine". The Patent ceased on the 4th November, 1977 due to non-payment of renewal fees within the prescribed

time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 22nd July 1978

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th November, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 133952 granted to Harish Engineering Works subsequently assigned to Harish Textile Engineers, Private Limited for an invention relating to "rotary screen printing machine". The Patent ceased on the 25th August, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 22nd July 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th November, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 140061 granted to Georg Fischer Aktiengesellschaft for an invention relating to "a cast one piece annular rim member for a vehicle wheel". The patent ceased on the 10th October, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 22nd July, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th November, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 141589 granted to The Fertilizer Corporation of India Limited for an invention relating to "an apparatus for thermogravimetric analysis in dynamic gas flow environment". The patent ceased on the 30th April, 1978 due to non-payment of the renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 12th August, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road Calcutta-17 on or before the 9th November, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 141792 granted to Vinesh Mohan Goyal for an invention relating to "improvements in or relating to 'springs'". The patent ceased on the 18th April, 1978 due to non pay-

ment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 12th August, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th November, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application for restoration of Patent No 135189 dated the 6th April, 1972 made by Raymond Charles Glucksberg on the 9th January, 1978 and notified in the Gazette of India, Part III, Section 2, dated the 25th February, 1978 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent No 140355 dated the 6th November, 1973 made by Rhone Poulenc S.A., on the 21st January, 1978 and notified in the Gazette of India, Part III, Section 2, dated the 8th April, 1978 has been allowed and the said patent restored.

(8)

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are now open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1 Nos 145775 & 145776 Mefina S.A., a company organized under the laws of Switzerland, of 5A Boulevard de Perolles, Fribourg, Switzerland "A sewing machine" July 1, 1977

Class 1 No 145824 Rainbow Industries, 2061, Rod Garan Lal Kuan, Delhi-6, an Indian Partnership concern "Ceiling fan" July 13, 1977

Class 1 No 145832 Super Accessories, a registered Indian Partnership firm, at D-7, Udyog Sadan II, Central Road, Andheri (East), Bombay-400 093, Maharashtra (India) "Motor cycle rear carrier" July 15, 1977

Class 1 No 146026 Paresb Kumar Chauhan C/o M/s Unicorn Electrical & Fuses Co Katras Road, Dhanbad, Bihar, an Indian subject "Safety fuse cartridge for miners' cap lamps" September 14 1977

Class 1 No 146057 Baldev Krishan, an Indian National, of Mendu Compound, Marris Road, Aligarh, 202001, Uttar Pradesh, India "Cable lock" September 22, 1977

Class 1 No 146111 Clartone Electronics, 224, New Okhla Industrial Complex, Phase-I, New Delhi-110020 an Indian Partnership concern "Loudspeakers" October 11, 1977

Class 1 No 146296 Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta 700 016, West Bengal, India "Flashlight" December 6, 1977

Class 3 No 145814 Bush India Limited, a Company registered under the Companies Act, at Sukh Sagar N S Patkar Marg, Bombay-400 007, Maharashtra State, India "Television game" July 11, 1977

- Class 3. No. 146015. Stuart Surridge & Co. Limited, of P.O. Box 1, Witham, Essex, England, a British Company. "A cricket bat", March 8, 1977. (U.K.).
- Class 3. No. 146017. Biren Das Gupta, Indian National, 19 Shyama Palli, Jadavpur, Calcutta-700 032, West Bengal, India. "Tubewell strainer". September 9, 1977.
- Class 3. No. 146035. Chawlasons (Regd.) 2396, Tilak Street, Chuna Mandi, Pahar Ganj, New Delhi-110055, an Indian Partnership concern. "Rack-cum-pen stand". September 15, 1977.
- Class 3. No. 146036. Chawlasons (Regd.), 2396, Tilak Street, Chuna Mandi, Pahar Ganj, New Delhi-110055, an Indian Partnership Concern. "Wall calender". September 15, 1977.
- Class 4. No. 146025. Paresh Kumar Chauhan, C/o M/s. Unicorn Electrical & Fuses Co., Katras Road, Dhanbad, Bihar, an Indian Subject. "Safety fuse cartridge for miners' cap lamps". September 14, 1977.
- Class 10. No. 146002. Trishala Shoe Company Private Limited, a Company registered under the Indian Companies Act, 1956, at A-111, Industrial Estate, Rajajinagar, Bangalore-560 044. "Foot-wear". September 7, 1977.

- Class 12. No. 146011. Frank Nattrass, of Fallows End, Brearton, Knaresborough, North Yorkshire, England, a British Subject. "A container". March 8, 1977. (U.K.).
- Class 12. No. 146012. Frank Nattrass, of Fallows End, Brearton, Knaresborough, North Yorkshire, England, a British Subject. "A container". March 22, 1977. (U.K.).
- Class 12. Nos. 146013 & 146014. Frank Nattrass, of Fallows End, Brearton, Knaresborough, North Yorkshire, England, a British Subject, "A container". July 14, 1977. (U.K.).

#### RECTIFICATION OF REGISTER OF DESIGNS (SECTION 64)

Application for Rectification of Register of Designs has been filed on the 31st July, 1978 by Paragon Plastic Industries, A-78/1, Wazirpur Industrial Area, Delhi-110 052 in respect of Registered Design No. 1 4 3 9 8 7.

S. VEDARAMAN,  
Controller-General of Patents,  
Designs and Trade Marks

